

FIG. 1

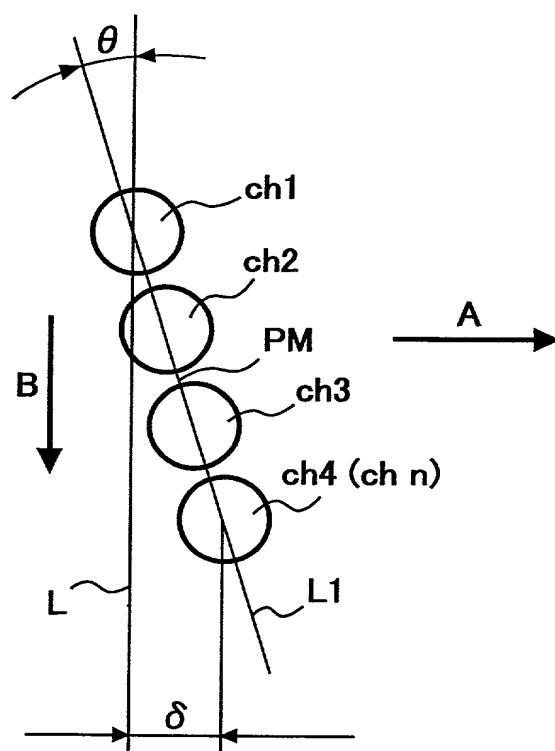


FIG. 2

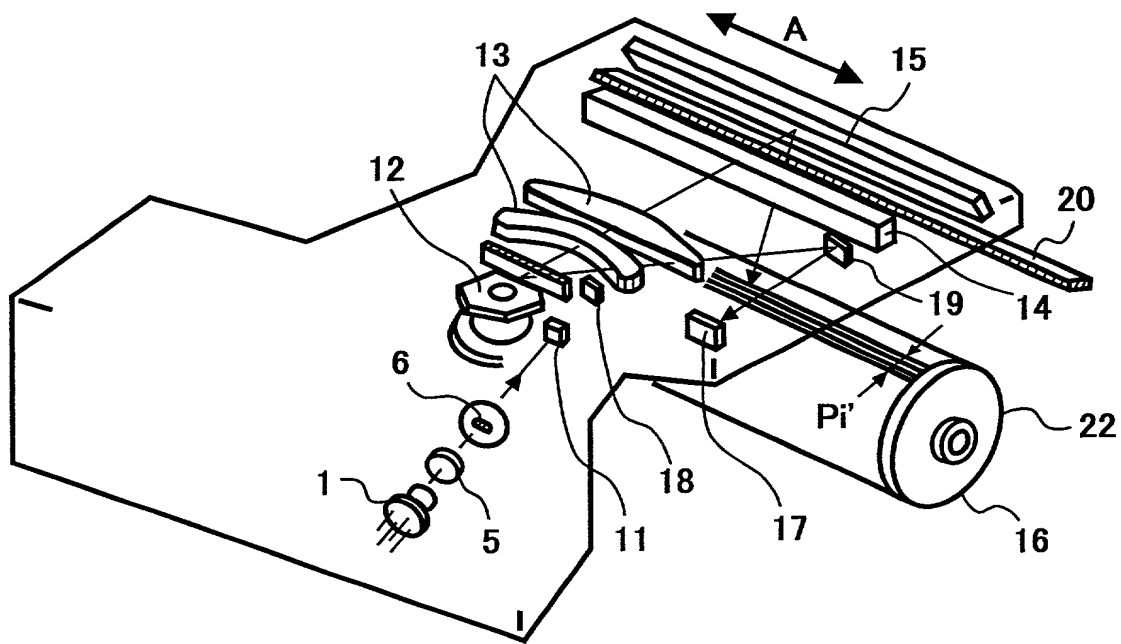


FIG. 3A

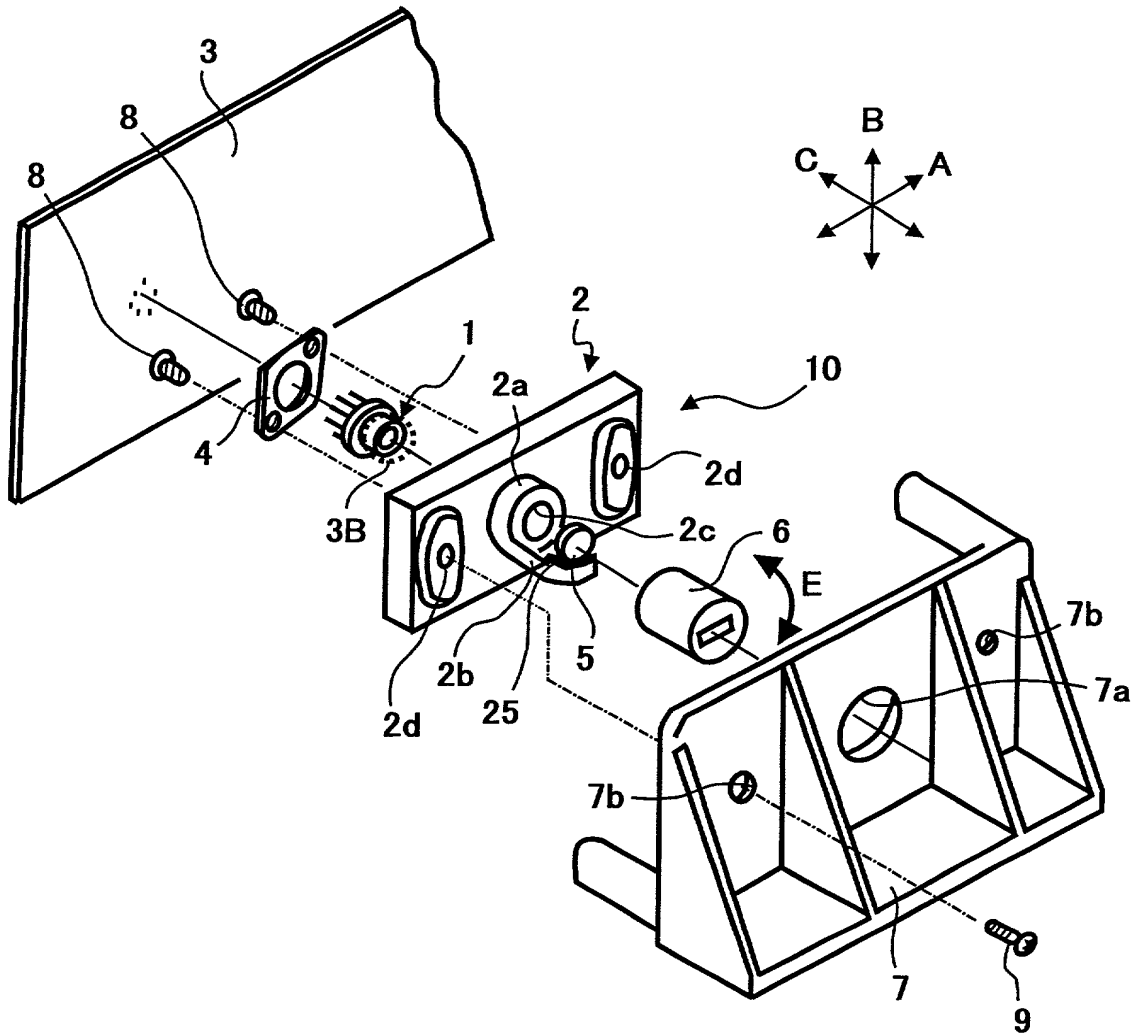


FIG. 3B

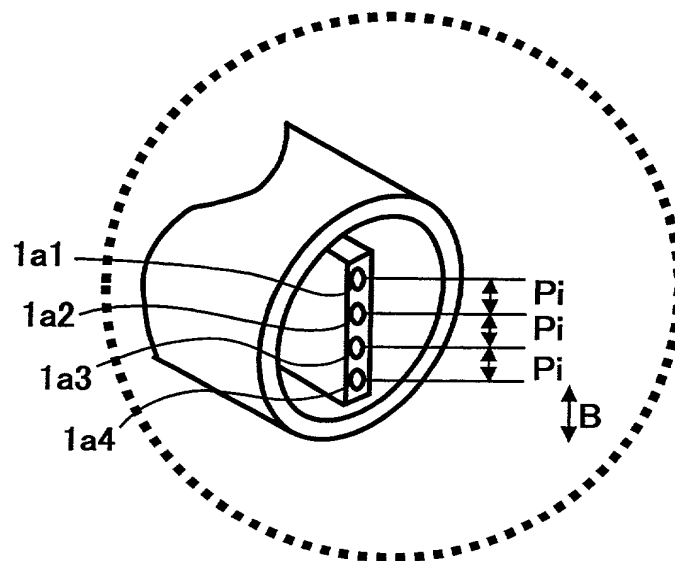


FIG. 4

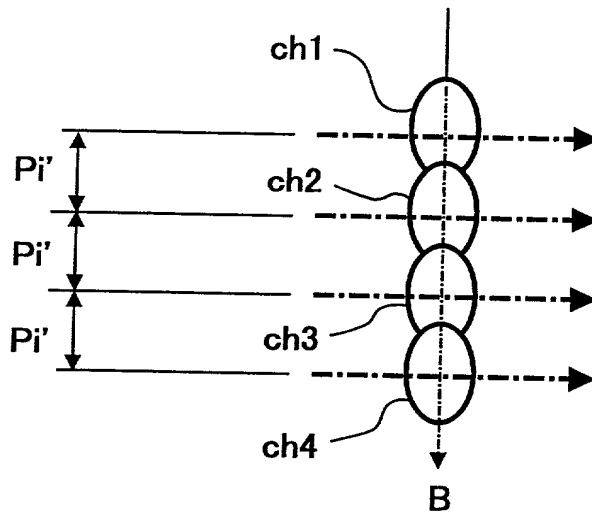


FIG. 5

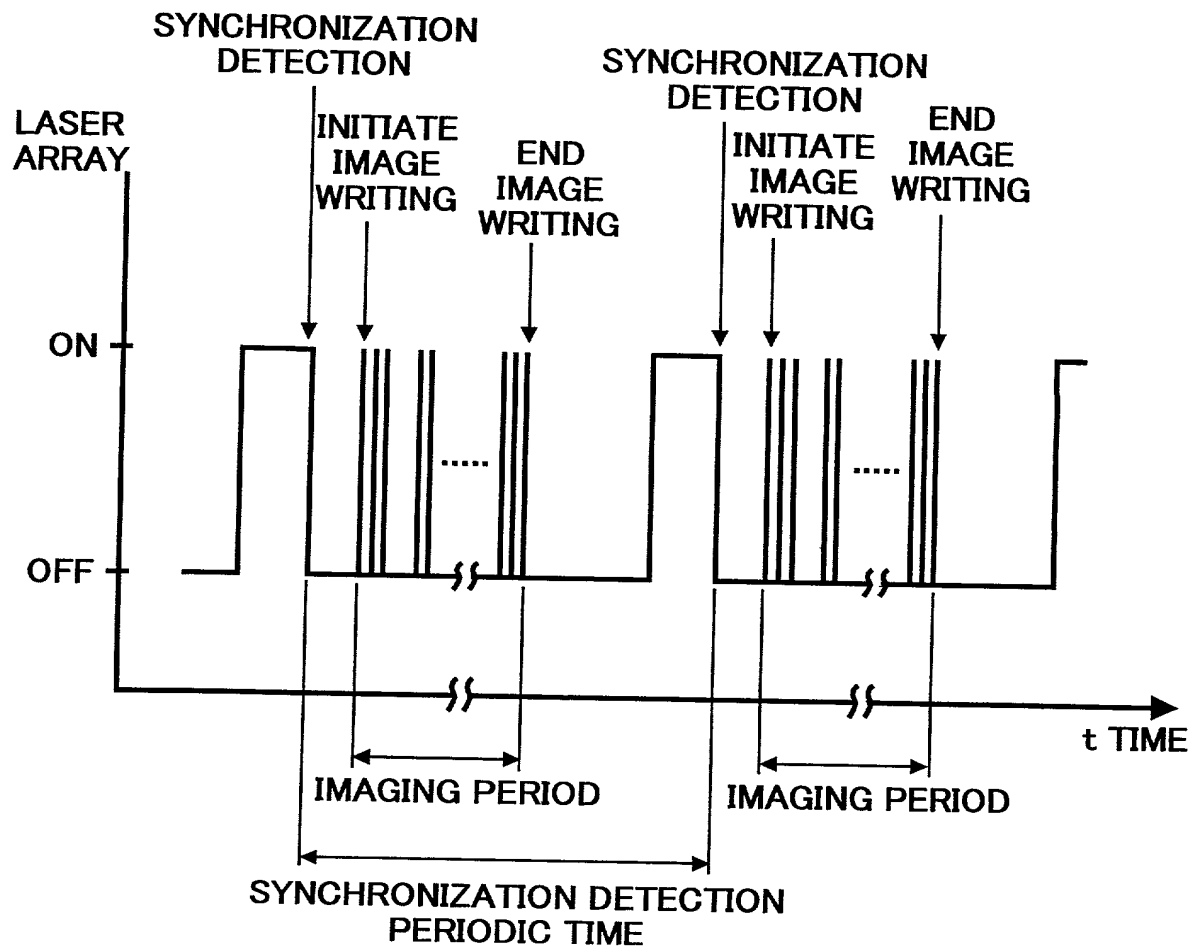
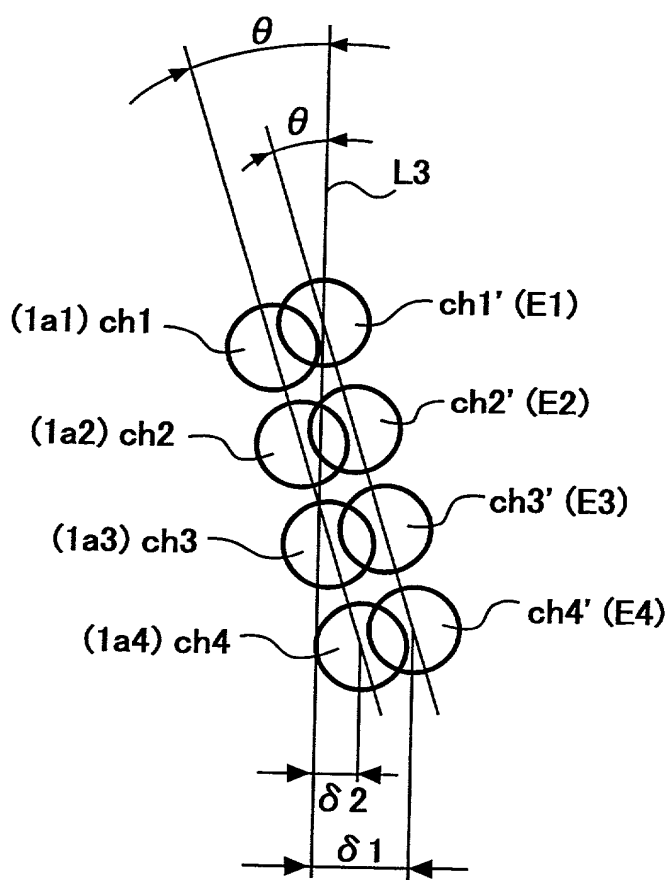


FIG. 6



This exploded perspective view shows the assembly of the piezoelectric actuator. The components are labeled as follows: 1A and 1B are piezoelectric actuators; 5A and 5B are spacers; 46A and 46B are washers; 12 is a central plate; 13 is a top cover; 14 is a bottom cover; 15 is a top rail; 16 is a bottom rail; 17 is a piezoelectric actuator (labeled Pi'); 18 is a support structure; 19 is a spring; 20 is a top rail; 21 is a bottom rail; 22 is a piezoelectric actuator (labeled Pi').

FIG. 8A

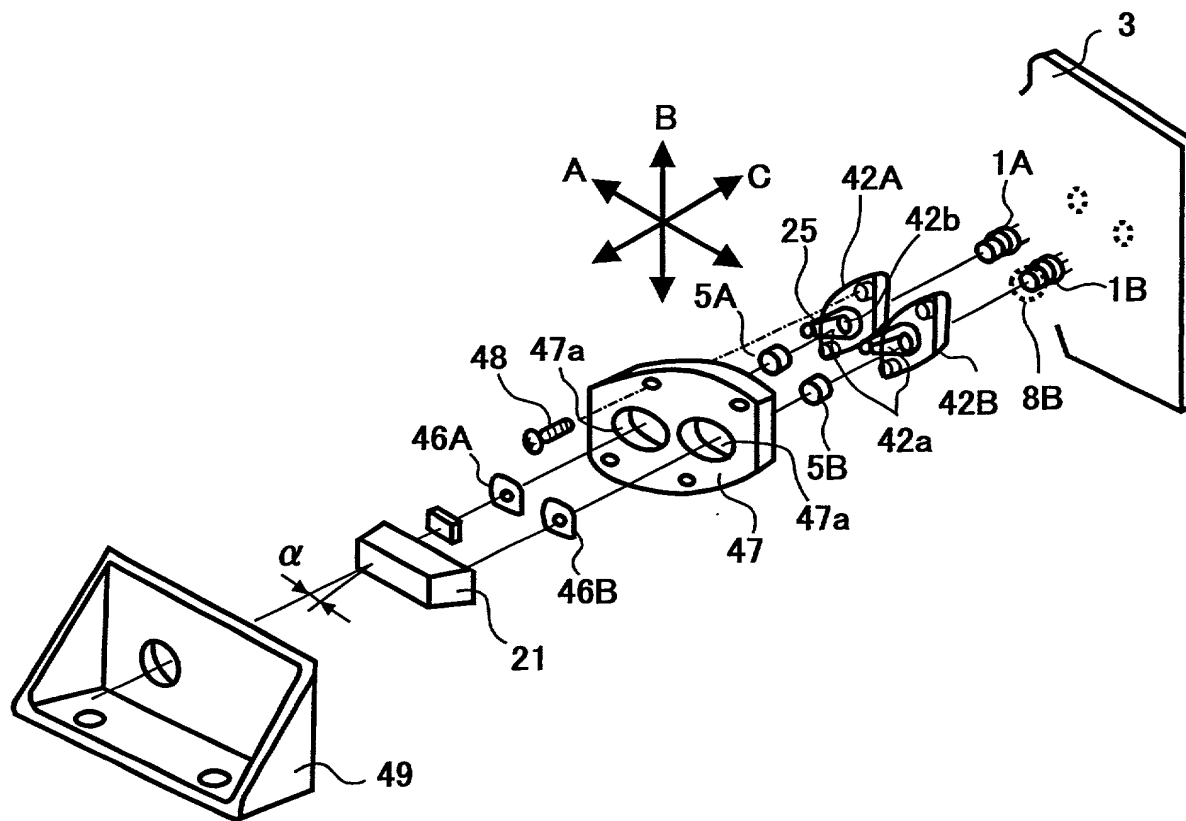


FIG. 8B

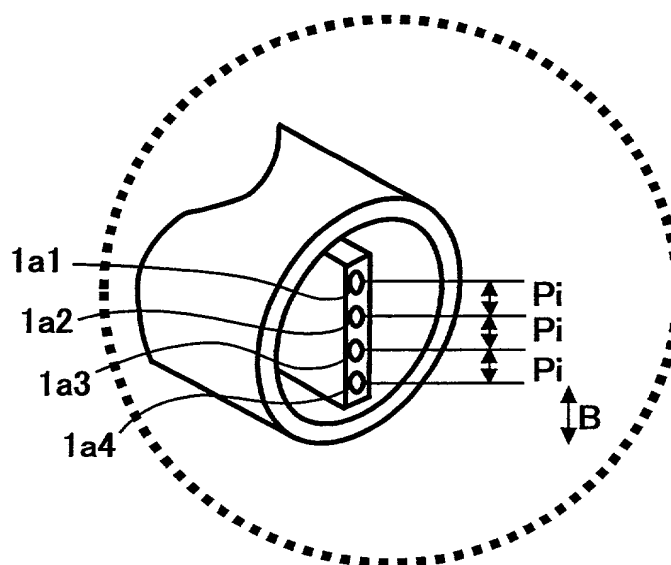


FIG. 9

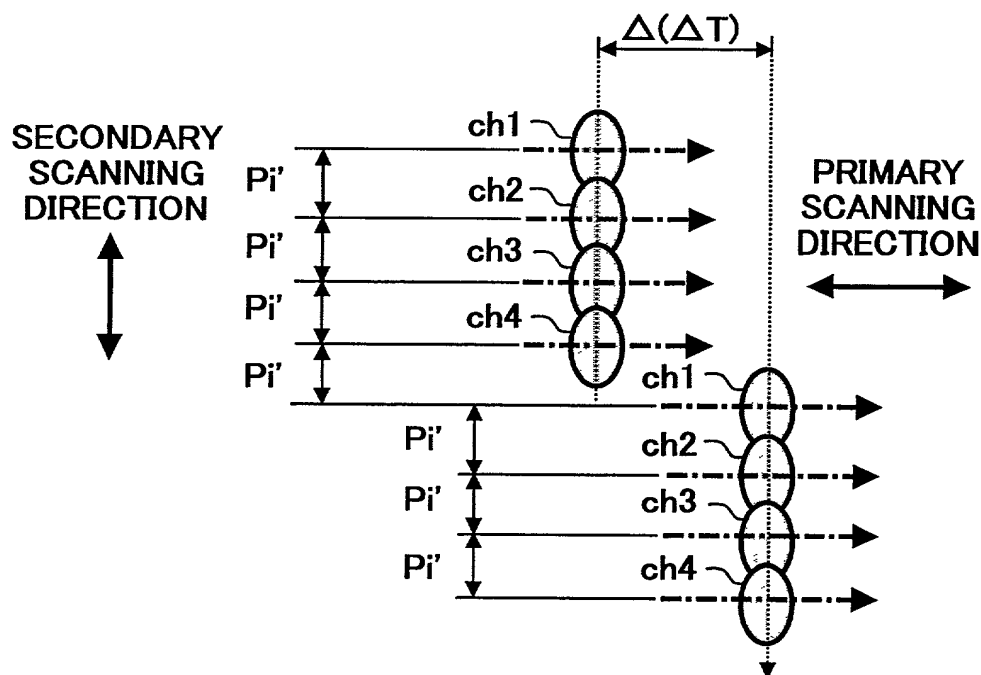


FIG. 10

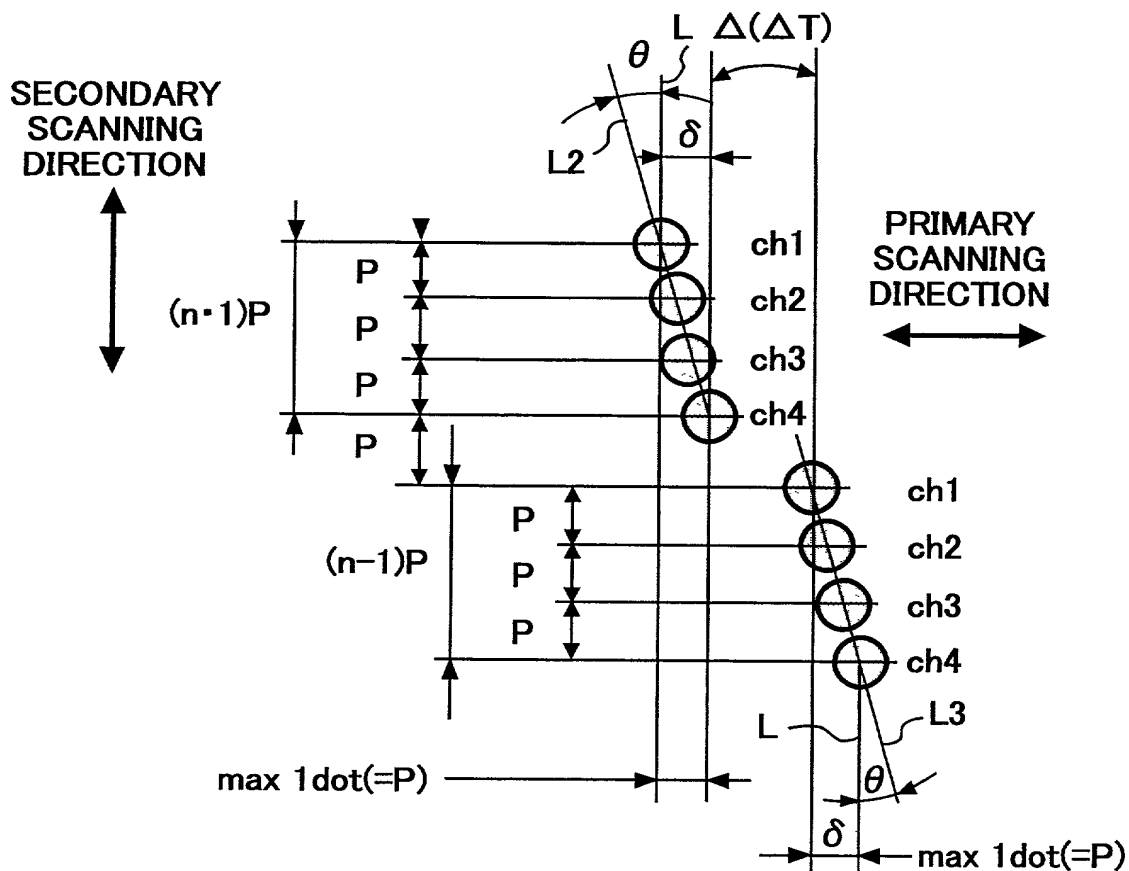


FIG. 11

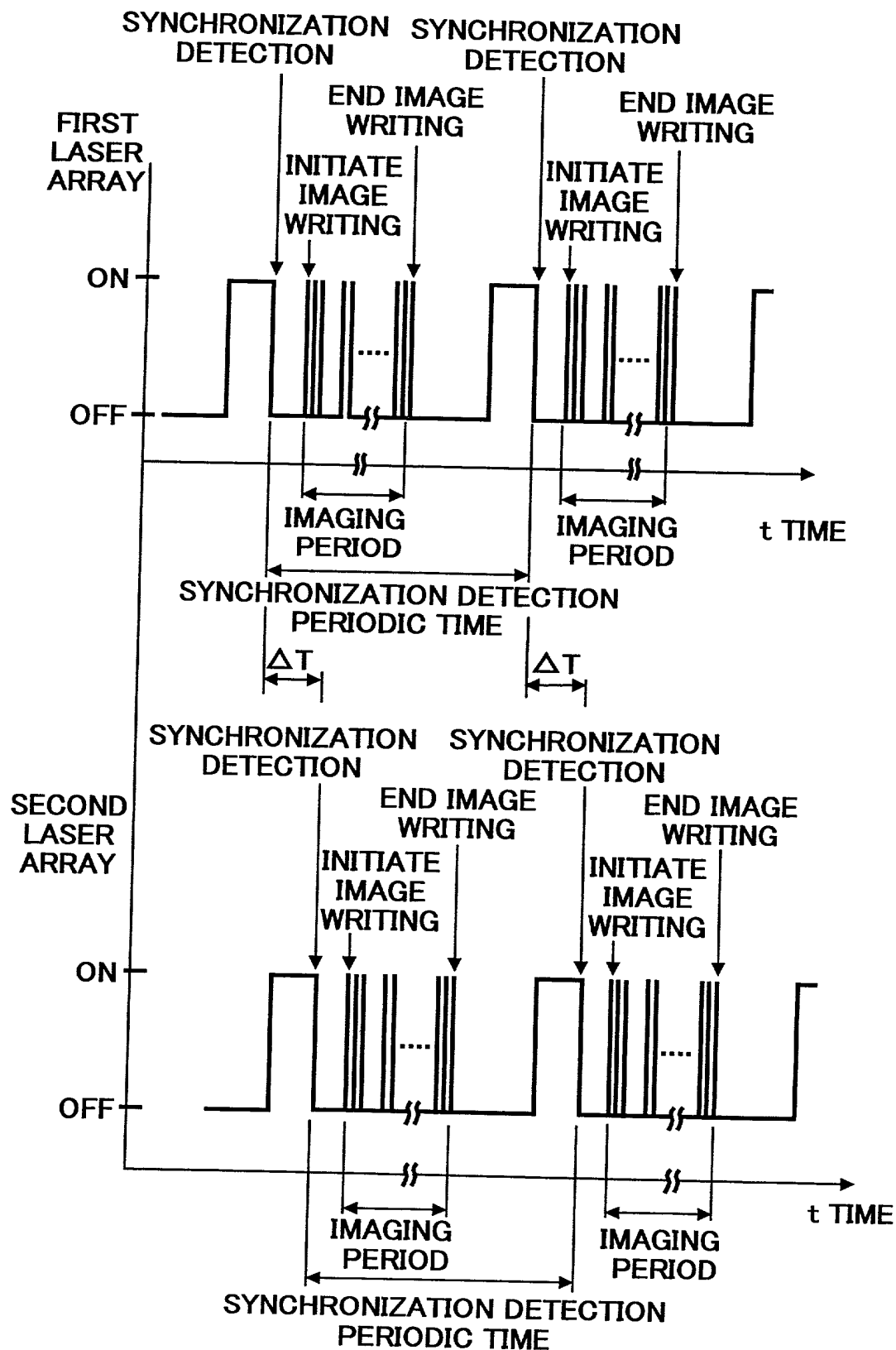


FIG. 12

